

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address SPUR ENERGY PARTNERS LLC 9655 KATY FREEWAY, SUITE 500 HOUSTON, TX 77024		² OGRID Number 328947
		³ Reason for Filing Code/ Effective Date NW 06/17/2021
⁴ API Number 30 - 015-45679	⁵ Pool Name N. SEVEN RIVERS; GLORIETA-YESO	⁶ Pool Code 97565
⁷ Property Code 325865	⁸ Property Name LAKEWOOD FEDERAL COM	⁹ Well Number 21H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	27	19S	25E		662	SOUTH	708	EAST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	34	19S	25E		52	SOUTH	960	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 03/29/2021	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters FTP: 105' FNL 981' FEL LTP: 150' FSL 958' FEL

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
33479	HOLLYFRONTIER REFINING & MARKETING 2828 N. HARWOOD, SUITE 1300, DALLAS, TX 75201	O
147831	LUCID ENERGY DELAWARE, LLC 3100 MCKINNION ST., SUITE 800, DALLAS, TX 75201	G

IV. Well Completion Data

²¹ Spud Date 12/29/2020	²² Ready Date 02/23/2021	²³ TD 2803'V/8505'M	²⁴ PBTD 2803'V/8505'M	²⁵ Perforations 3306'-8407'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8" 36# J-55 BTC	1245'	430 SXS (CIRC 12 SXS)		
8-3/4"	7" 36# L-80 BK-HT	3048'	1190 SXS (CIRC 218 SXS)		
8-3/4"	5-1/2" 20# L-80 BK-HT	8505'	1190 SXS (CIRC 218 SXS)		
	3-1/2" J-55 TBG	2694'			

V. Well Test Data

³¹ Date New Oil 03/26/2021	³² Gas Delivery Date 03/26/2021	³³ Test Date 04/02/2021	³⁴ Test Length 24-HOURS	³⁵ Tbg. Pressure 230	³⁶ Csg. Pressure 110
³⁷ Choke Size NA	³⁸ Oil 385	³⁹ Water 1363	⁴⁰ Gas 489		⁴¹ Test Method PUMPING
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Sarah Chapman			OIL CONSERVATION DIVISION		
Printed name: SARAH CHAPMAN			Approved by: Kurt Simmons		
Title: REGULATORY DIRECTOR			Title: NMOCD, Santa Fe		
E-mail Address: SCHAPMAN@SPUREPLLC.COM			Approval Date: 08/16/2021		
Date: 06/17/2021		Phone: 832-930-8613	Request for NMOCD extension of time to submit BLM approved form 3160-4. Will file within 10 days of approval.		

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45679	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA-YESO
Property Code 325865	Property Name LAKWOOD FEDERAL COM	Well Number 21H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS, LLC	Elevation 3499'

Surface Location

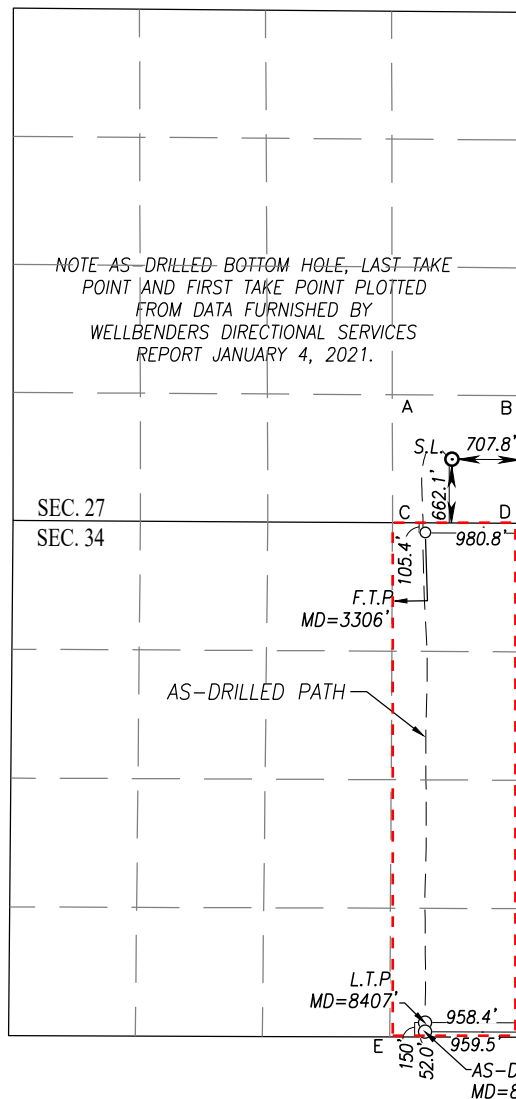
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	27	19-S	25-E		662.1	SOUTH	707.8	EAST	EDDY

AS-Drilled Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	34	19-S	25-E		52.0	SOUTH	959.5	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



SCALE: 1"=2000'

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y=591580.2 N
X=500377.0 E
LAT.=32.626233° N
LONG.=104.466381° W

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y=591519.3 N
X=459198.4 E
LAT.=32.626120° N
LONG.=104.465862° W

FIRST TAKE POINT
NAD 83 NME
Y= 590814.5 N
X= 500103.4 E
LAT.=32.624128° N
LONG.=104.467267° W

FIRST TAKE POINT
NAD 27 NME
Y= 590753.7 N
X= 458924.8 E
LAT.=32.624015° N
LONG.=104.466748° W

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 592191.8 N, X= 458605.8 E
B - Y= 592183.5 N, X= 459906.7 E
C - Y= 590860.9 N, X= 458608.1 E
D - Y= 590853.2 N, X= 459905.3 E
E - Y= 585506.9 N, X= 458579.4 E
F - Y= 585504.1 N, X= 459905.8 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 592252.7 N, X= 499784.3 E
B - Y= 592244.4 N, X= 501085.2 E
C - Y= 590921.8 N, X= 499786.7 E
D - Y= 590914.1 N, X= 501083.9 E
E - Y= 585567.6 N, X= 499758.0 E
F - Y= 585564.8 N, X= 501084.4 E

LAST TAKE POINT
NAD 83 NME
Y= 585716.7 N
X= 500126.3 E
LAT.=32.610115° N
LONG.=104.467172° W

LAST TAKE POINT
NAD 27 NME
Y= 585656.1 N
X= 458947.7 E
LAT.=32.610002° N
LONG.=104.466652° W

AS-DRILLED
BOTTOM HOLE LOCATION
NAD 83 NME
Y= 585618.8 N
X= 500125.2 E
LAT.=32.609846° N
LONG.=104.467175° W

AS-DRILLED
BOTTOM HOLE LOCATION
NAD 27 NME
Y= 585558.1 N
X= 458946.6 E
LAT.=32.609733° N
LONG.=104.466656° W

OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

3/15/2021

Signature

Date

SARAH CHAPMAN

Printed Name

SCHAPMAN@SPUREPLLC.COM

E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 9, 2020

Date of Survey

Signature & Seal of Professional Surveyor:

Gary G. Eidson 3/09/2021

Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

LSL REL. W.O.: 21130029 JWSC W.O.: 21.13.0099



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Lakewood Unit

#21H

Wellbore #1

Survey: Survey #1

Standard Survey Report

04 January, 2021



Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #21H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3519.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3519.00usft
Well:	#21H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Project	Eddy County, NM (NAD 83 - NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Lakewood Unit				
Site Position:		Northing:	591,671.59 usft	Latitude:	32.6264829
From:	Lat/Long	Easting:	499,869.66 usft	Longitude:	-104.4680295
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	-0.073 °

Well	#21H					
Well Position	+N/-S	0.00 usft	Northing:	591,580.20 usft	Latitude:	32.6262335
	+E/-W	0.00 usft	Easting:	500,377.00 usft	Longitude:	-104.4663812
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,499.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/30/20	7.062	60.151	47,701.65544614

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	180.30	

Survey Program	Date	01/04/21			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
165.00	8,505.00	Survey #1 (Wellbore #1)	MWD+IGRF	OWSG MWD + IGRF or WMM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
165.00	2.02	300.28	164.97	1.47	-2.51	-1.45	1.22	1.22	0.00	
285.00	2.11	299.75	284.89	3.63	-6.26	-3.60	0.08	0.07	-0.44	
403.00	3.16	327.70	402.77	7.46	-9.88	-7.40	1.38	0.89	23.69	
523.00	3.69	337.90	522.55	13.83	-13.10	-13.76	0.67	0.44	8.50	
644.00	4.35	335.17	643.25	21.60	-16.49	-21.52	0.57	0.55	-2.26	
765.00	6.99	325.24	763.65	31.82	-22.62	-31.70	2.32	2.18	-8.21	
886.00	10.20	320.32	883.28	46.12	-33.66	-45.94	2.72	2.65	-4.07	
1,009.00	13.10	318.39	1,003.74	64.92	-49.87	-64.66	2.38	2.36	-1.57	
1,131.00	14.37	316.01	1,122.24	86.15	-69.57	-85.79	1.14	1.04	-1.95	



Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #21H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3519.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3519.00usft
Well:	#21H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,179.00	14.64	314.96	1,168.72	94.73	-78.00	-94.32	0.79	0.56	-2.19
1,309.00	15.21	315.05	1,294.33	118.40	-101.67	-117.87	0.44	0.44	0.07
1,435.00	13.93	307.49	1,416.29	139.33	-125.39	-138.68	1.82	-1.02	-6.00
1,561.00	13.05	309.60	1,538.81	157.63	-148.38	-156.85	0.80	-0.70	1.67
1,687.00	10.90	300.46	1,662.07	172.74	-169.62	-171.85	2.27	-1.71	-7.25
1,750.00	9.01	276.64	1,724.15	176.33	-179.66	-175.39	7.12	-3.00	-37.81
1,813.00	8.53	242.36	1,786.45	174.74	-188.70	-173.75	8.21	-0.76	-54.41
1,876.00	10.46	217.84	1,848.61	168.05	-196.35	-167.02	7.04	3.06	-38.92
1,939.00	13.71	208.08	1,910.21	156.94	-203.38	-155.87	6.08	5.16	-15.49
2,002.00	16.35	203.43	1,971.05	142.22	-210.42	-141.11	4.60	4.19	-7.38
2,065.00	18.20	204.04	2,031.21	125.09	-217.95	-123.95	2.95	2.94	0.97
2,128.00	20.75	203.78	2,090.60	105.89	-226.46	-104.70	4.05	4.05	-0.41
2,191.00	24.40	201.76	2,148.76	83.59	-235.79	-82.35	5.92	5.79	-3.21
2,254.00	27.16	199.03	2,205.49	57.90	-245.30	-56.62	4.77	4.38	-4.33
2,317.00	30.86	197.01	2,260.58	28.85	-254.72	-27.51	6.07	5.87	-3.21
2,380.00	34.68	193.67	2,313.55	-4.04	-263.69	5.42	6.71	6.06	-5.30
2,443.00	37.67	191.47	2,364.40	-40.33	-271.76	41.75	5.17	4.75	-3.49
2,506.00	41.27	188.22	2,413.03	-79.77	-278.56	81.23	6.59	5.71	-5.16
2,569.00	45.19	184.88	2,458.93	-122.63	-283.43	124.11	7.20	6.22	-5.30
2,632.00	48.00	182.68	2,502.22	-168.29	-286.43	169.79	5.13	4.46	-3.49
2,695.00	51.38	179.78	2,542.97	-216.30	-287.43	217.80	6.41	5.37	-4.60
2,759.00	54.95	177.32	2,581.34	-267.49	-286.11	268.99	6.37	5.58	-3.84
2,822.00	57.67	178.29	2,616.28	-319.87	-284.11	321.35	4.50	4.32	1.54
2,885.00	59.60	177.67	2,649.07	-373.63	-282.21	375.10	3.18	3.06	-0.98
2,947.00	61.54	178.29	2,679.53	-427.59	-280.31	429.05	3.25	3.13	1.00
3,010.00	63.12	177.94	2,708.79	-483.35	-278.47	484.80	2.56	2.51	-0.56
3,074.00	66.73	178.29	2,735.91	-541.28	-276.57	542.72	5.66	5.64	0.55
3,137.00	72.09	178.73	2,758.05	-600.21	-275.04	601.65	8.53	8.51	0.70
3,200.00	77.63	179.26	2,774.50	-660.99	-273.98	662.42	8.83	8.79	0.84
3,263.00	82.73	179.96	2,785.24	-723.05	-273.56	724.47	8.17	8.10	1.11
3,326.00	87.78	180.40	2,790.45	-785.81	-273.75	787.23	8.05	8.02	0.70
3,452.00	89.71	179.43	2,793.21	-911.77	-273.57	913.19	1.71	1.53	-0.77
3,601.00	89.58	178.73	2,794.14	-1,060.75	-271.17	1,062.16	0.48	-0.09	-0.47
3,726.00	89.27	178.20	2,795.39	-1,185.70	-267.83	1,187.09	0.49	-0.25	-0.42
3,849.00	89.98	178.55	2,796.20	-1,308.65	-264.34	1,310.01	0.64	0.58	0.28
3,976.00	89.23	176.79	2,797.07	-1,435.53	-259.18	1,436.87	1.51	-0.59	-1.39
4,101.00	89.71	176.97	2,798.23	-1,560.34	-252.37	1,561.64	0.41	0.38	0.14
4,227.00	90.20	177.06	2,798.33	-1,686.17	-245.81	1,687.43	0.40	0.39	0.07
4,353.00	91.03	177.15	2,796.97	-1,812.00	-239.45	1,813.23	0.66	0.66	0.07
4,479.00	88.62	178.20	2,797.36	-1,937.89	-234.34	1,939.09	2.09	-1.91	0.83
4,605.00	89.49	178.64	2,799.44	-2,063.82	-230.86	2,065.00	0.77	0.69	0.35
4,731.00	90.59	179.61	2,799.35	-2,189.80	-228.94	2,190.97	1.16	0.87	0.77
4,857.00	89.19	181.37	2,799.59	-2,315.79	-230.02	2,316.96	1.78	-1.11	1.40
4,983.00	90.07	181.45	2,800.41	-2,441.75	-233.12	2,442.93	0.70	0.70	0.06



Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #21H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3519.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3519.00usft
Well:	#21H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,109.00	88.70	181.37	2,801.76	-2,567.70	-236.22	2,568.90	1.09	-1.09	-0.06
5,234.00	89.23	182.42	2,804.02	-2,692.61	-240.35	2,693.83	0.94	0.42	0.84
5,359.00	88.84	181.10	2,806.12	-2,817.53	-244.19	2,818.77	1.10	-0.31	-1.06
5,485.00	88.04	179.26	2,809.55	-2,943.47	-244.58	2,944.71	1.59	-0.63	-1.46
5,612.00	88.88	180.13	2,812.96	-3,070.42	-243.91	3,071.66	0.95	0.66	0.69
5,737.00	89.10	179.43	2,815.17	-3,195.40	-243.43	3,196.63	0.59	0.18	-0.56
5,863.00	90.33	179.52	2,815.79	-3,321.39	-242.27	3,322.62	0.98	0.98	0.07
5,988.00	90.95	179.34	2,814.40	-3,446.38	-241.03	3,447.59	0.52	0.50	-0.14
6,109.00	91.12	179.34	2,812.21	-3,567.35	-239.64	3,568.56	0.14	0.14	0.00
6,229.00	91.47	179.96	2,809.50	-3,687.32	-238.90	3,688.52	0.59	0.29	0.52
6,349.00	91.82	180.22	2,806.06	-3,807.27	-239.09	3,808.47	0.36	0.29	0.22
6,469.00	91.08	180.49	2,803.02	-3,927.22	-239.84	3,928.43	0.66	-0.62	0.22
6,589.00	89.54	181.19	2,802.37	-4,047.21	-241.60	4,048.41	1.41	-1.28	0.58
6,710.00	89.98	181.28	2,802.88	-4,168.18	-244.20	4,169.40	0.37	0.36	0.07
6,831.00	90.68	181.28	2,802.18	-4,289.14	-246.91	4,290.38	0.58	0.58	0.00
6,953.00	90.42	181.45	2,801.01	-4,411.10	-249.81	4,412.35	0.25	-0.21	0.14
7,076.00	90.29	180.84	2,800.25	-4,534.08	-252.27	4,535.33	0.51	-0.11	-0.50
7,197.00	89.32	179.43	2,800.66	-4,655.07	-252.55	4,656.33	1.41	-0.80	-1.17
7,321.00	90.29	179.78	2,801.08	-4,779.06	-251.70	4,780.32	0.83	0.78	0.28
7,447.00	91.12	179.87	2,799.53	-4,905.05	-251.32	4,906.30	0.66	0.66	0.07
7,573.00	88.48	179.08	2,799.97	-5,031.03	-250.16	5,032.28	2.19	-2.10	-0.63
7,699.00	89.32	179.43	2,802.39	-5,157.00	-248.52	5,158.23	0.72	0.67	0.28
7,825.00	89.89	179.87	2,803.26	-5,282.99	-247.75	5,284.22	0.57	0.45	0.35
7,951.00	90.37	180.05	2,802.97	-5,408.99	-247.67	5,410.22	0.41	0.38	0.14
8,076.00	91.38	180.49	2,801.06	-5,533.97	-248.25	5,535.20	0.88	0.81	0.35
8,200.00	88.97	180.40	2,800.68	-5,657.96	-249.22	5,659.19	1.94	-1.94	-0.07
8,326.00	89.27	180.31	2,802.62	-5,783.94	-250.00	5,785.17	0.25	0.24	-0.07
8,450.00	90.07	180.75	2,803.33	-5,907.94	-251.14	5,909.17	0.74	0.65	0.35
8,505.00	90.07	180.75	2,803.27	-5,962.93	-251.86	5,964.17	0.00	0.00	0.00

TD: Y= 585617.27 / X= 500125.14 - Final Station Closure Distance= 5968.25 /Direction= 182.42 - Projection to Bit: 8505.0



Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #21H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3519.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3519.00usft
Well:	#21H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
#21H FTP/ 100' FNL @ - survey hits target center - Point	0.00	360.00	2,789.01	-760.31	-273.62	590,819.89	500,103.39	32.6241426	-104.4672669
#21H Final Bit Proj @ - survey hits target center - Point	0.00	360.00	2,803.27	-5,962.93	-251.86	585,617.27	500,125.14	32.6098421	-104.4671749
#21H LTP/ 100' FSL @ - survey misses target center by 5.43usft at 8450.00usft MD (2803.33 TVD, -5907.94 N, -251.14 E) - Point	0.00	0.00	2,803.33	-5,913.36	-251.22	585,666.84	500,125.79	32.6099784	-104.4671730

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,505.00	2,803.27	-5,962.93	-251.86	TD: Y= 585617.27 / X= 500125.14
8,505.00	2,803.27	-5,962.93	-251.86	Final Station Closure Distance= 5968.25 /Direction= 182.42
8,505.00	2,803.27	-5,962.93	-251.86	Projection to Bit: 8505.00' MD/ 2803.27' TVD
8,505.00	2,803.27	-5,962.93	-251.86	TD: Latitude= 32.6098421 / Longitude= -104.4671750

Checked By: _____ Approved By: _____ Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Lakewood Unit
Well: #21H
Wellbore: Wellbore #1
Rig:
Design: Plan #3 / 7:59, January 04 2021

PROJECT DETAILS: Eddy County, NM (NAD 83 - NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #21H

RKB = 20' @ 3519.00usft
3499.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	591580.20	500377.00	32.6262334	-104.4663812

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	300.00	0.00	360.00	300.00	0.00	0.00	0.00	0.00
3	958.40	13.17	314.85	952.62	53.12	-53.40	2.00	-52.84
4	1669.50	13.17	314.85	1645.02	167.37	-168.24	0.00	-166.49
5	2829.62	60.00	180.30	2623.24	-300.82	-278.48	6.00	302.28
6	3029.62	60.00	180.30	2723.24	-474.03	-279.39	0.00	475.48
7	3329.61	90.00	180.30	2800.00	-760.50	-280.90	10.00	761.96
8	3448.14	90.00	177.93	2800.00	-879.01	-279.07	2.00	880.45
9	4534.85	90.00	177.93	2800.00	-1965.01	-239.85	0.00	1966.24
10	4653.27	90.00	180.30	2800.00	-2083.40	-238.02	2.00	2084.62
11	8533.27	90.00	180.30	2800.00	-5963.35	-258.34	0.00	5964.62

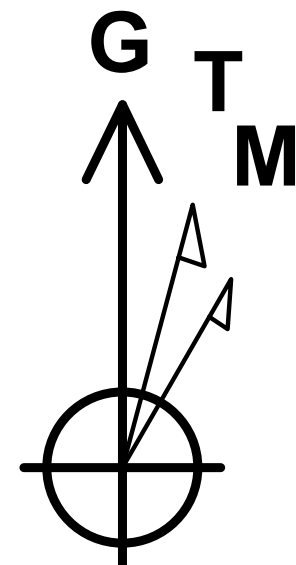
Lakewood 21H PBHL: PLAN

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Lakewood 21H SHL: 662.1' FSL & 707.8' FEL	0.00	0.00	0.00	591580.20	500377.00	32.6262334	-104.4663812
Lakewood 21H KOP: 828' FSL & 876' FEL	1645.02	167.37	-168.24	591747.57	500208.76	32.6266929	-104.4669284
#21H FTP/ 100' FNL @ 3300.46' MD	2789.01	-760.31	-273.62	590819.89	500103.38	32.6241426	-104.4672669
Lakewood 21H FTP/ LP: PLAN	2800.00	-760.25	-280.83	590819.95	500096.17	32.6241428	-104.4672903
Lakewood 21H LTP: PLAN	2800.00	-5913.41	-258.09	585666.79	500118.91	32.6099782	-104.4671954
Lakewood 21H PBHL: PLAN	2800.00	-5963.35	-258.34	585616.85	500118.66	32.6098409	-104.4671960
#21H Final Bit Proj @ 8505' MD (50' FSL)	2803.27	-5962.93	-251.86	585617.27	500125.14	32.6098421	-104.4671750
#21H LTP/ 100' FSL @ 8455.43' MD	2803.33	-5913.36	-251.22	585666.84	500125.78	32.6099784	-104.4671731

CORRECTION REFERENCE DATA:

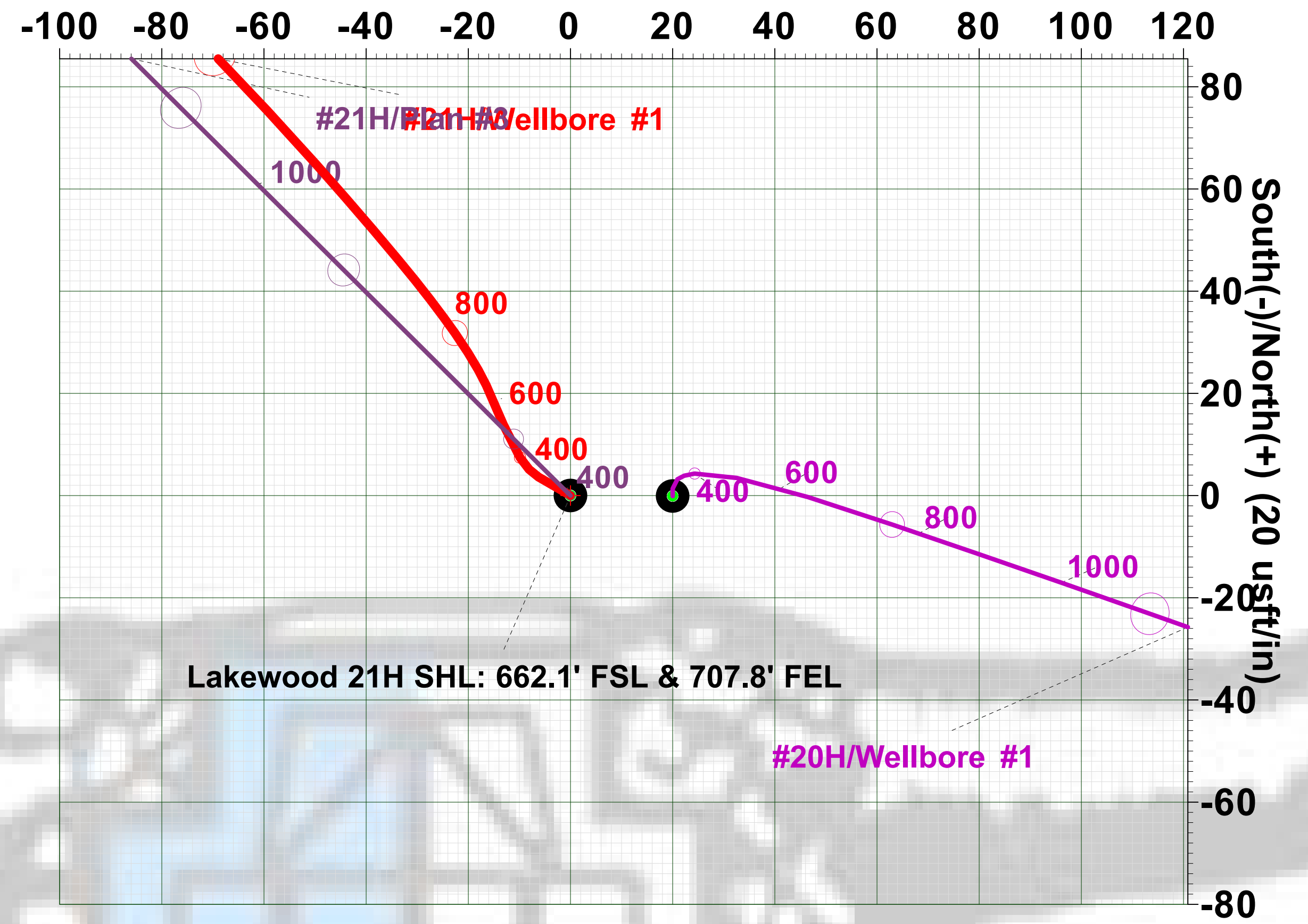
To convert a Magnetic Direction to a Grid Direction, Add 7.134°
To convert a True Direction to a Grid Direction, Add 0.072°
To convert a Magnetic Direction to a True Direction, Add 7.062° East
Magnetic Declination: 7.062°
Magnetic Dip Angle: 60.151°
Magnetic Field Strength: 47701.65544615nT



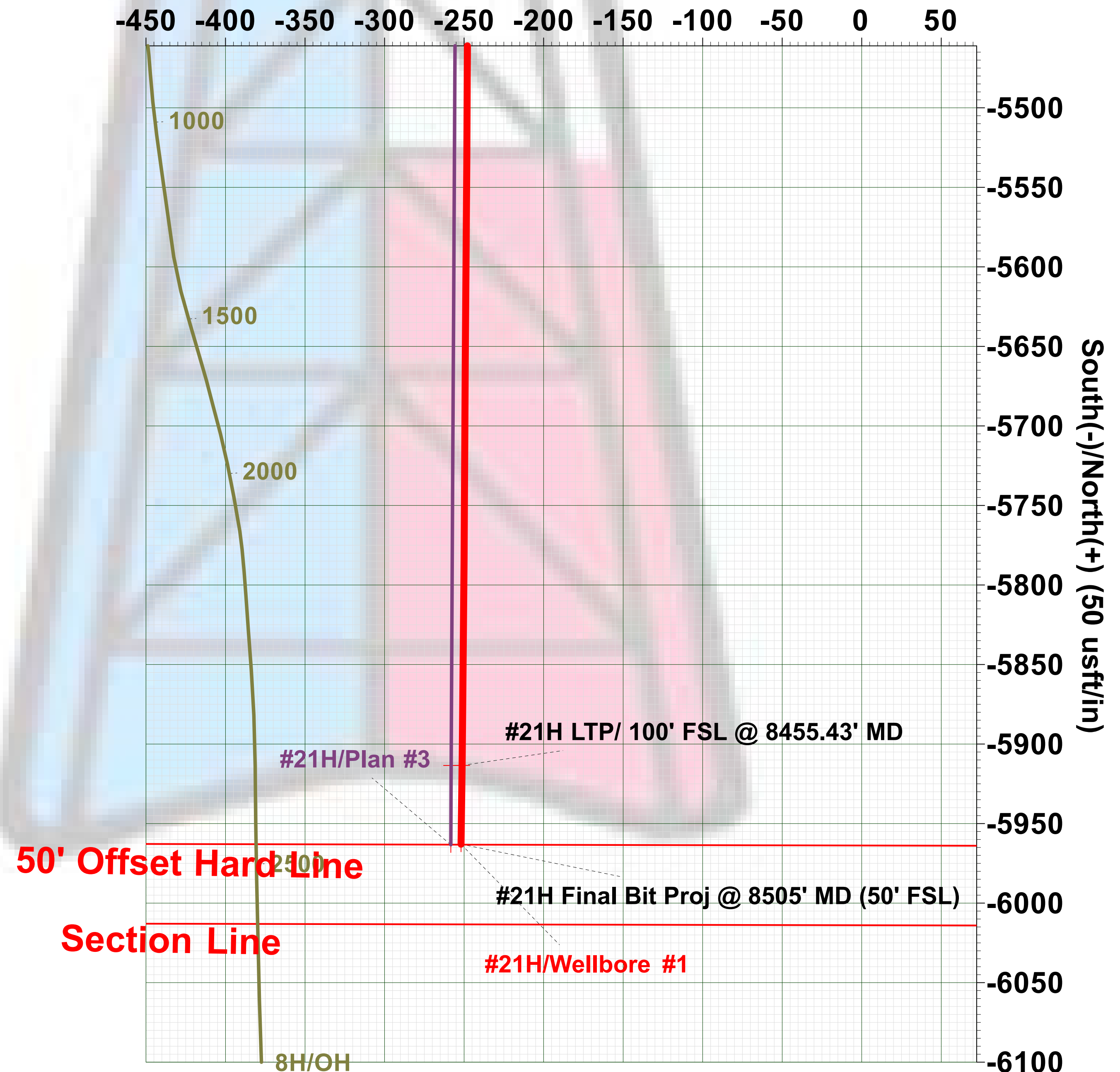
Azimuths to Grid North
True North: 0.07°
Magnetic North: 7.13°

Magnetic Field
Strength: 47701.7snT
Dip Angle: 60.15°
Date: 10/30/2020
Model: IGRF2020

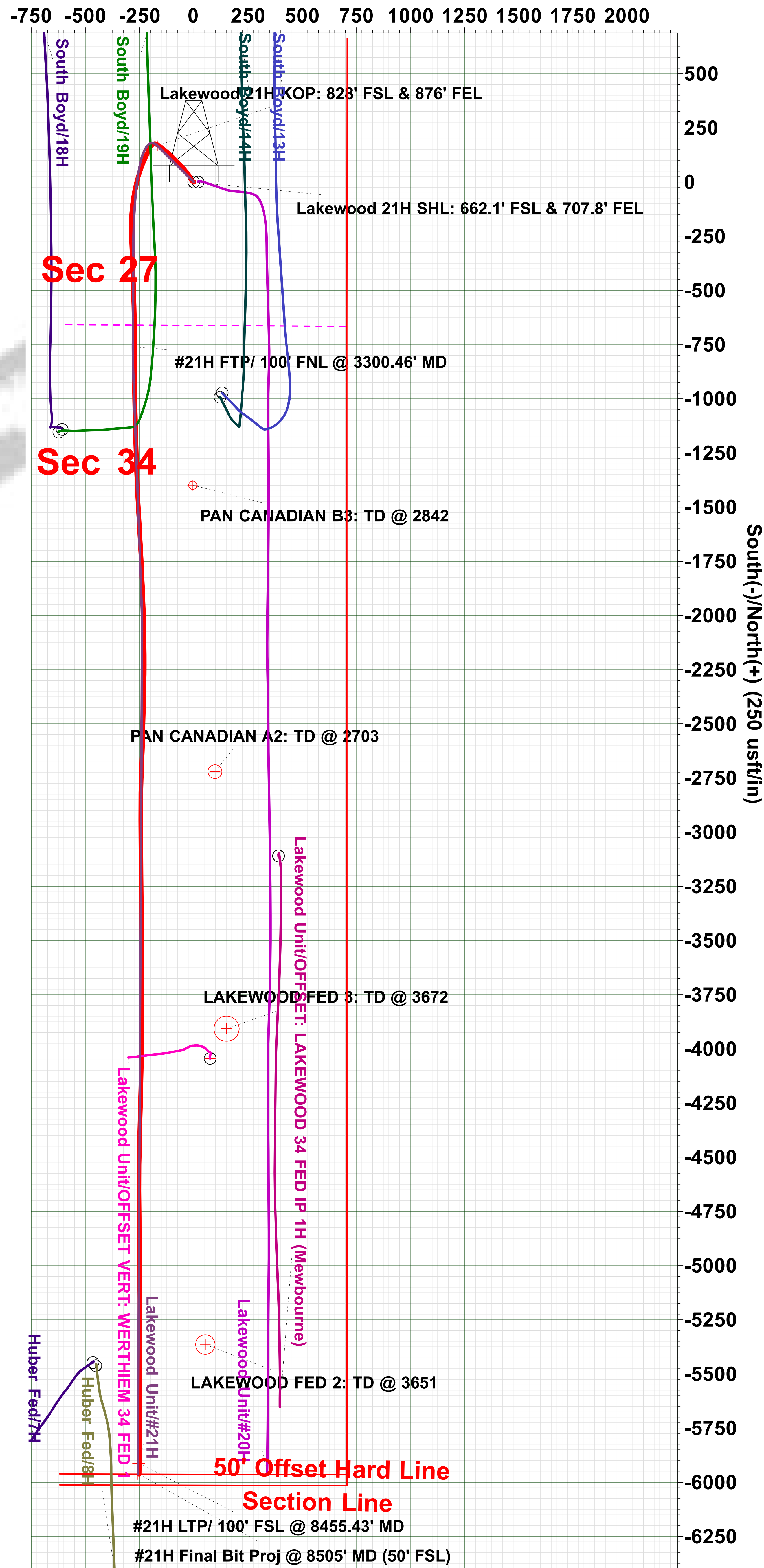
West(-)/East(+) (20 usft/in)



West(-)/East(+) (50 usft/in)



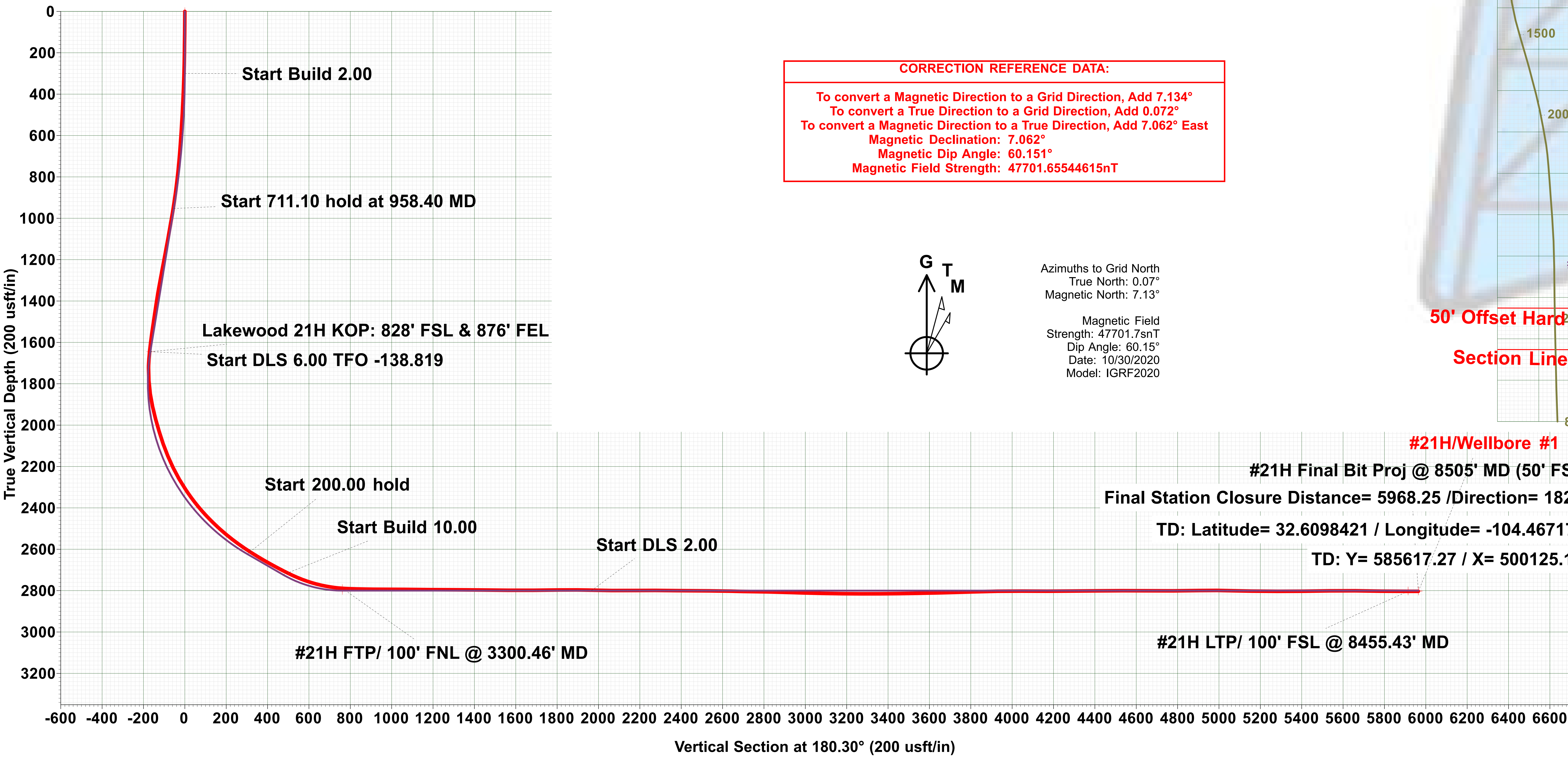
West(-)/East(+) (250 usft/in)



Disclaimer:
All Plan Details, boundary
lines and offset well
location/ survey data is
provided by customer and
subject to customer
approval.

Plan: Plan #3 (#21H/Wellbore #1)

Created By: Matthew May Date: 7:59, January 04 2021





I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **12/29/20** thru **01/03/21** conduct or supervise the taking of a **MWD Survey** from a depth of **165'** to a depth of **8505'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Spur Energy Partners** for the **Lakewood Fed Com 21H** API No. **30-015-45679** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Well Name: LAKEWOOD FEDERAL COM	Well Location: T19S / R25E / SEC 27 / SESE / 32.626041 / -104.466382	County or Parish/State: EDDY / NM
Well Number: 21H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0504364B	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545679	Well Status: Approved Application for Permit to Drill	Operator: PERCUSSION PETROLEUM OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 03/15/2021	Time Sundry Submitted: 08:59
Date Operation Actually Began: 02/11/2021	
Actual Procedure: RUPU 2/11/2021. RIH & cleanout to PBTD @ 8505'. Pressure test csg to 6000# for 30 minutes, good test. RIH & perf from 8407-8236, 8202-8030, 7996-7825, 7791-7620, 7585-7414, 7380-7209, 7175-7003, 6969-6798, 6764-6593, 6558-6387, 6353-6182, 6148-5976, 5942-5771, 5737-5566, 5531-5360, 5326-5155, 5121-4949, 4915-4744, 4710-4539, 4504-4333, 4299-4128, 4094-3922, 3888-3717, 3683-3512, 3477-3306. Frac in 25 stages w/ 12170347gal slickwater and 4852056# sand. 3/1/2021 rig down and cleanout.	

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: CHAPMAN	Signed on: MAR 15, 2021 08:59 AM
Name: PERCUSSION PETROLEUM OPERATING LLC	
Title: Regulatory Directory	
Street Address: 919 Milam Street, Suite 2475	
City: Houston	State: TX
Phone: (713) 589-2337	
Email address: NOT ENTERED	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

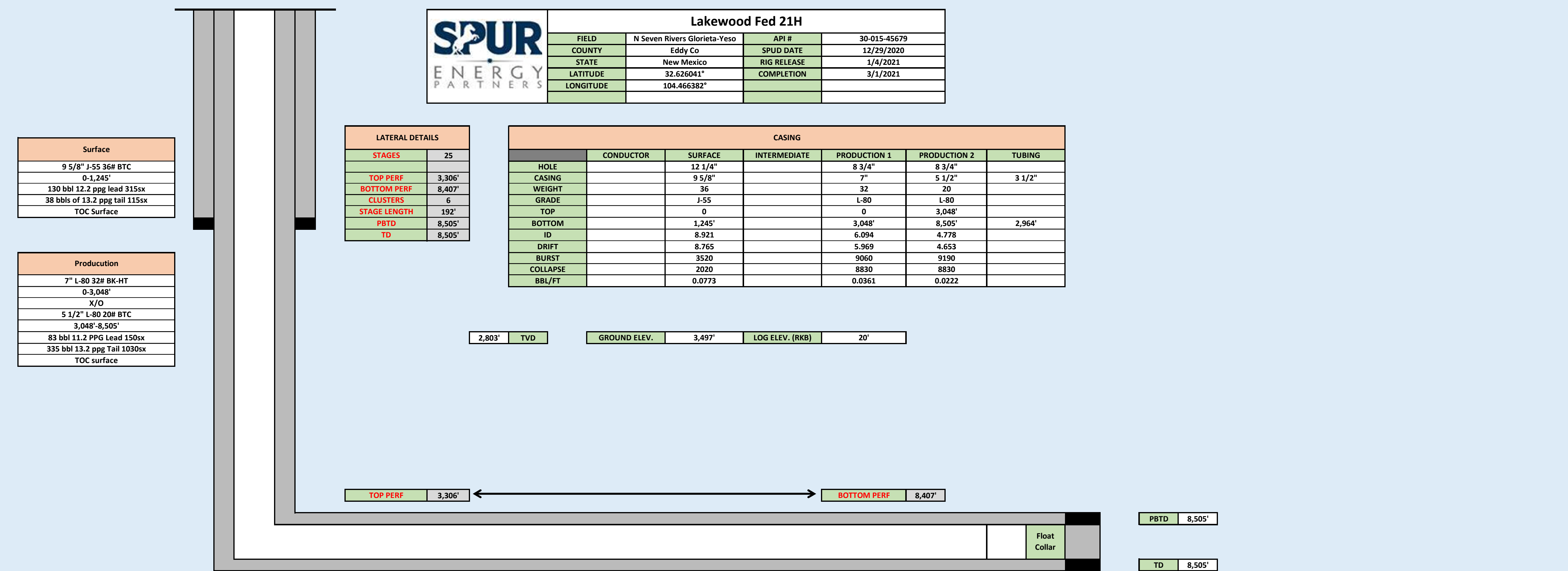
Received by OCD: 6/17/2021 9:55:37 AM

Page 11 of 14

Well Name: LAKEWOOD FEDERAL COM	Well Location: T19S / R25E / SEC 27 / SESE / 32.626041 / -104.466382	County or Parish/State: EDDY / NM
Well Number: 21H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0504364B	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545679	Well Status: Approved Application for Permit to Drill	Operator: PERCUSSION PETROLEUM OPERATING LLC

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 03/18/2021
Signature: Jonathon Shepard	



District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 32508

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 32508
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I

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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 32508

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 32508
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit BLM 3160-4 within ten days of approval by BLM.	8/16/2021